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24 August 1962

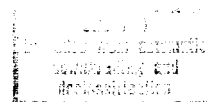
DECLASS REVIEW by NIMA/DOD

MEMORANDUM FOR: Chief, Technical Plans & Development Staff

SUBJECT: Modification or Replacement of Prototype Image Quality Meter

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1. PROBLEM: The [REDACTED] Image Quality Meter, now at the National Bureau of Standards for testing and evaluation, is a prototype instrument. Since the fabrication of this prototype instrument a production run of six units was produced by [REDACTED] for the military services and the U. S. Government. There are a number of significant changes between the production model and the prototype instrument which improve its reliability and accuracy. This prototype instrument is now at the National Bureau of Standards for a test and evaluation program, and preliminary investigation of this instrument has indicated that it would be desirable to exchange it for a production model unit. 25X1A
2. FACTS BEARING ON THE PROBLEM: The prototype Image Quality Meter, produced under [REDACTED] has generated considerable interest in Government and in the military services. At this date, five of these instruments have been purchased. Since NPIC initiated this program, it seemed appropriate that steps leading to standardization of results extracted from this instrument would be meaningful to all concerned. Based on this premise, appropriate action was taken to initiate a program with the National Bureau of Standards to undertake an extended program of testing and evaluation which hopefully would lead to acceptable standards for the significant readings generated by the instrument. Namely, resolution, granularity and acutance. During the last visit to the contractor's installation on 10 - 18 July 1962 the production model of the Image Quality Meter was examined and a proposal solicited to modify or exchange the prototype instrument for a production model. If meaningful data is to be extracted from this instrument, it should be compatible with such data obtained from similar instrumentation in the possession of other members of the Community. The subject proposal offers to modify the existing equipment or to exchange it for a production model on or about 15 September 1962.
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3. CONCLUSION: That the prototype instrument should be either modified or replaced with a production instrument similar to, if not identical to, instrumentation in the hands of other members of the Community.
4. RECOMMENDATIONS:
- a. It is recommended that the Technical Development Committee approve the subject proposal in the amount of [REDACTED] for modification and/or placement of the prototype Image Quality Meter. 25X1A

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b. That the test and evaluation program at the National Bureau of Standards be continued until 15 September 1962 at which time the prototype instrument will be replaced with a production unit.

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NPIC/TP&DS: [REDACTED] : jem(3591)

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